User Manual

ATA2000_CI2

Version 1.0

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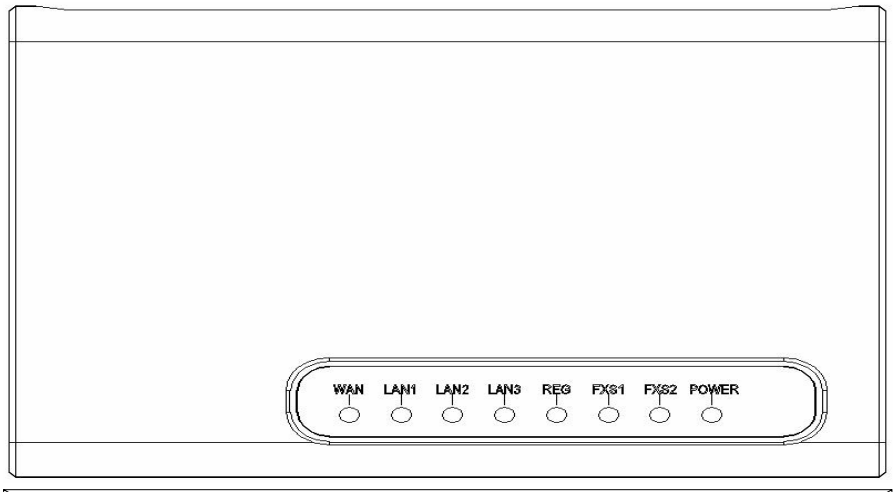
1. Product Introduction:

1.1. Appearance

Front Panel Diagram:



LED Description:

WAN LED: When the WAN port connected to network successfully .The WAN LED is flashing, otherwise it is off.

LAN1~LAN3 LED: When the LAN port connected to device successfully, the LAN LED is lighting, otherwise it is off.

FXS1/FXS2 LED: When the POTS(Analog telephone) connected to phone port successfully, in off-hook status, the phone LED is on, otherwise is off.

REG LED: There are three status

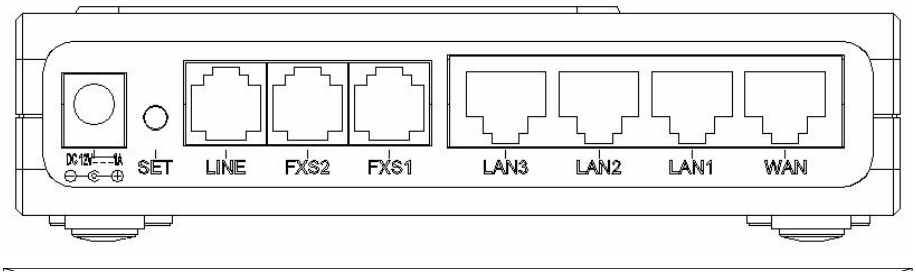
a、 When SIP register is disabled , it is off;

b、 When SIP register is enabled and register failed , it is off;

c、 When SIP register is successful, it is on.

POWER LED: When the ATA2000 is powered on , it is on, otherwise it is off.

- Interface



WAN ：Connected to Network Switch or Hub via RJ45 cable;
LAN1~LAN3 ：Connected to PC or other devices via RJ45 cable;
FXS1/FXS2：Connected to analog telephone via RJ11 cable;
LINE：Connected to PSTN via RJ11 cable;
DC POWER jack：Connected to 12V/1000mA Power adapter.
SET Key： reboot ATA.

1.2. Feature

- Hardware Specification

Item		Specification
Chipset		Infineon ADM5120P
SDRAM		16 MB SDRAM
Flash		2 MB Flash memory
Power Adapter	Input	100-240V AC 50/60Hz
	Output	12V DC 1000mA
Port	WAN	1 10/100Base T RJ-45
	LAN	3 10/100Base T RJ-45
	FXS	2 RJ11 for phone
	Line(Lifeline)	1 RJ11 for (PSTN) Lifeline
LED Indicator		Including: WAN、LAN1~LAN3、FXS1/FXS2、REG、POWER
Power Consumption		5.4W/4.8W
Operating Temperature		0～40℃
Relative Humidity		5～95%
Dimension		133mm*95mm*34.5mm (L x W x H)

- Software
  - Support two modes: Bridge and Router(NAT&NAPT);
  - Network protocols: TCP/UDP/IP、ICMP、HTTP、DHCP Client (WAN Interface)、DHCP Server (LAN Interface)、 DNS Client、DNS Relay, SNTP、 PPPoE、FTP、TFTP;

- VOIP protocols：SIP (RFC2543,RFC3261)
- Support Signal Encrypt and Rtp Encrypt
- DSP codec :G.711Alaw64k、G.711Ulaw64k、G.729、G.723 5.3k/6.3k;
- STUN client available, SIP register port、HTTP port、Telnet port and RTP port are modifiable;
- Two different SIP servers can register successfully synchronously, two different SIP telephone number available;
- Several accounts can registered in a sip server, one FXS user can own some phone numbers;
- Support VAD(Voice Activity Detection);
- T38 FAX available;
- Config ATA via web explorer, such as: IE;
- Upgraded by WEB(HTTP) available;
- User-defined dial rules;
- Config via WEB or Keyboard optionally;
- Support enterprise IP private line, Peer-to-Peer calling all free;
- DTMF Modes including: RELAY、 RFC2833 and SIP INFO;
- Two different accounts management: Root and General account;

1.3. Installation

1) Connect to network：Connect the WAN port to network switch or HUB via RJ45 cable;
2) Connect to PC：Connect the LAN(LAN1~LAN3) port to computer via a RJ45 cable;
3) Connect to POTS(Analog telephone): Connect the FXS1/FXS2 port to POTS(Analog telephone) via RJ11 cable;
4) Connect to PSTN: Connect the LINE port to PSTN via RJ11 cable;
5) Connect to power: Connect the device to Power;
6) Reboot ATA：Press the “**SET**” button to reboot ATA;
7) Configured by keypad, example: rebooting ATA2000 via dialing ”#****#”.

2. Configuration via keyboard

Shortcut key	Function
#****#	Reboot device
#*100#	Configured to Static mode
#*101#	Configured to DHCP mode
#*102#	Configured to PPPoE mode
#*103#	Working at Bridge mode

#*104#	Working at Router mode
#*111#	To get the device WAN IP address
#*222#	To get the phone number

Reserves the rights to make changes in technical and product specification without prior notice.